Comparisons of Job Characteristics

Focus Occupation: Computer Support Specialists (15-1041)
Associated Occupation: Database Administrators (15-1061)

Compare Knowledge
Compare Skills
Compare Abilities
Compare Detailed Work Activities
Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge — Similarity of Focus Occupation to Associated Occupation: 94

Focus Occupation: Computer Support Specialists (15-1041)
Associated Occupation: Database Administrators (15-1061)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Computers and Electronics	8.4	19.9	22.0	>	Current knowledge level is likely sufficient
Customer and Personal Service	11.3	14.2	18.9	>>	Current knowledge level is likely more than sufficient
Clerical	7.3	10.9	11.8	0	Current knowledge level may be sufficient
Communications and Media	5.3	8.0	6.9	<	Expanded education and/or training may be required
Telecommunications	3.9	7.3	11.2	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills — Similarity of Focus Occupation to Associated Occupation: 70

Focus Occupation: Computer Support Specialists (15-1041)
Associated Occupation: Database Administrators (15-1061)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Systems Analysis	6.5	10.6	8.4	<	A higher skill level may be required
Systems Evaluation	6.4	10.4	7.2	<<	Extensive development of skills in this area may be required
Programming	2.2	9.9	3.9	<<	Extensive development of skills in this area may be required
Operations Analysis	5.0	9.6	6.7	<<	Extensive development of skills in this area may be required
Technology Design	2.6	6.1	3.1	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Abilities	Similarity of Focus Occupation to Associated Occupation: 92

Focus Occupation: Computer Support Specialists (15-1041)
Associated Occupation: Database Administrators (15-1061)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Information Ordering	9.9	12.3	11.2	0	Current ability level may be sufficient
Category Flexibility	9.0	11.0	9.3	<	Some improvement in abilities may be required
Flexibility of Closure	7.8	10.1	7.9	<	Some improvement in abilities may be required
Fluency of Ideas	7.6	9.9	7.6	<<	Extensive improvement in abilities may be required
Originality	7.6	9.8	7.5	<<	Extensive improvement in abilities may be required
Selective Attention	8.7	9.8	9.1	0	Current ability level may be sufficient
Mathematical Reasoning	6.3	9.7	6.2	<<	Extensive improvement in abilities may be required
Number Facility	6.3	8.9	5.9	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Activities that Both Occupations Have in Common	Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Computer Support Specialists (15-1041)
Associated Occupation: Database Administrators (15-1061)

Work Activities	Exclusivity of Activity
Adjust computer operation system	84
Communicate technical information	4
Evaluate computer system user requests or requirements	81
Follow data security procedures	77
Follow data storage procedures	75
Install computer programs	89
Install hardware, software, or peripheral equipment	89
Maintain or repair computers or related equipment	81
Monitor computer operation	85
Provide technical computer training	82
Provide technical support to computer users	80
Test computer programs or systems	78
Understand computer equipment operating manuals	84

Use computer networking technology	81
Use computers to enter, access or retrieve data	3
Use geographical information system (GIS) software	72
Use interpersonal communication techniques	10
Use knowledge of mainframe computers	78
Use relational database software	26
Use spreadsheet software	18
Use word processing or desktop publishing software	17
Write computer software, programs, or code	84

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 88

Focus Occupation: Computer Support Specialists (15-1041)
Associated Occupation: Database Administrators (15-1061)

Tools and Technologies	Exclusivity
Computers	1
Content authoring and editing software	1
Data management and query software	1
Development software	4
Industry specific software	1
Media storage devices	21
Network applications software	1
Networking software	21
Operating environment software	12
Security and protection software	30
Utility and device driver software	17

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.